

Resource Summary Report

Generated by [dkNET](#) on Sep 6, 2026

STOCK Tg(Ntsr1-cre)GN209Gsat/Mmucd

RRID:MMRRC_030780-UCD

Type: Organism

Proper Citation

RRID:MMRRC_030780-UCD

Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=30780

Proper Citation: RRID:MMRRC_030780-UCD

Description: Mus musculus with name STOCK Tg(Ntsr1-cre)GN209Gsat/Mmucd from MMRRC.

Species: Mus musculus

Notes: Research areas: Cell Biology, Developmental Biology, Neurobiology, Research Tools; Mutation Type: Transgenic ; Collection: GENSAT

Affected Gene: cre|Ntsr1|

Catalog Number: 030780-UCD

Background: Transgenic

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Source References: [PMID:14586460](#)

Alternate IDs: MMRRC_30780-UCD, MMRRC_030780, MMRRC_378

Organism Name: STOCK Tg(Ntsr1-cre)GN209Gsat/Mmucd

Record Creation Time: 20230308T055121+0000

Record Last Update: 20260905T110840+0000

Ratings and Alerts

No rating or validation information has been found for STOCK Tg(Ntsr1-cre)GN209Gsat/Mmucd.

No alerts have been found for STOCK Tg(Ntsr1-cre)GN209Gsat/Mmucd.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Mutant Mouse Resource and Research Center (MMRRC)

Usage and Citation Metrics

We found 51 mentions in open access literature.

Listed below are recent publications. The full list is available at [dkNET](#).

Gutman-Wei AY, et al. (2026) Cell-type-selective synaptogenesis during the development of layer 6 corticothalamic neuron connectivity in the mammalian neocortex. Cell reports, 45(1), 116792.

Brenner JM, et al. (2026) Vision shapes neural maps of space through an ancient midbrain pathway. bioRxiv : the preprint server for biology.

Calzoni A, et al. (2026) Visual field position shapes input sampling and output routing in the superior colliculus. bioRxiv : the preprint server for biology.

Whitley JB, et al. (2026) Individual Pulvinar Neurons Integrate Cortical and Subcortical Signals. The Journal of neuroscience : the official journal of the Society for Neuroscience, 46(2).

Keith RE, et al. (2025) Perirhinal cortex abnormalities impair hippocampal plasticity and learning in Scn2a, Fmr1, and Cdkl5 autism mouse models. Science advances, 11(10), eadt0780.

Zhao Y, et al. (2025) Cell-type-specific plasticity in synaptic, intrinsic, and sound response properties of deep-layer auditory cortical neurons after noise trauma. bioRxiv : the preprint server for biology.

Zhao Y, et al. (2025) Cell type-specific plasticity in synaptic, intrinsic, and sound response properties of deep-layer cortical neurons after noise trauma. Science advances, 11(38), eadx9737.

Zhao Y, et al. (2025) Synaptic properties of layer 6 auditory corticothalamic inputs in normal hearing and noise-induced hearing loss. bioRxiv : the preprint server for biology.

Costa RM, et al. (2025) Cognitive processes are disentangled at cortex-wide scales. bioRxiv : the preprint server for biology.

Biró L, et al. (2025) Convergence and Segregation of Excitatory and Inhibitory Afferents in the Paraventricular Thalamic Nucleus. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 45(43).

Kühn NK, et al. (2025) Dendritic architecture enables de novo computation of salient motion in the superior colliculus. *Current biology : CB*, 35(16), 3799.

Crombie D, et al. (2024) Spiking activity in the visual thalamus is coupled to pupil dynamics across temporal scales. *PLoS biology*, 22(5), e3002614.

Kim SJ, et al. (2024) A consensus definition for deep layer 6 excitatory neurons in mouse neocortex. *bioRxiv : the preprint server for biology*.

Weiler S, et al. (2024) A primary sensory cortical interareal feedforward inhibitory circuit for tacto-visual integration. *Nature communications*, 15(1), 3081.

Liwang JK, et al. (2023) epDevAtlas: Mapping GABAergic cells and microglia in postnatal mouse brains. *bioRxiv : the preprint server for biology*.

Ziegler K, et al. (2023) Primary somatosensory cortex bidirectionally modulates sensory gain and nociceptive behavior in a layer-specific manner. *Nature communications*, 14(1), 2999.

Reinhold K, et al. (2023) Brain State-Dependent Modulation of Thalamic Visual Processing by Cortico-Thalamic Feedback. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 43(9), 1540.

Gu M, et al. (2023) Rabies virus-based labeling of layer 6 corticothalamic neurons for two-photon imaging in vivo. *iScience*, 26(5), 106625.

Hayden DJ, et al. (2023) Electrophysiological Signatures of Visual Recognition Memory across All Layers of Mouse V1. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 43(44), 7307.

Hádinger N, et al. (2023) Region-selective control of the thalamic reticular nucleus via cortical layer 5 pyramidal cells. *Nature neuroscience*, 26(1), 116.